

ABSTRACT OF THE DISCLOSURE

A method for the air conditioning of a vehicle interior as a function of incident solar radiation. In a vehicle with, for example, a four-zone air conditioning system, the incident solar radiation is detected by means of sensor elements assigned to the various air conditioning zones in the vehicle and is used for regulating the air conditioning capacity. In order to avoid faulty regulation due to a detected incident solar radiation which does not influence or only slightly influences the passengers because of perpendicular incident radiation, for example, on the roof, the hood and the trunk lid, the incident radiation direction is determined by means of the sensor elements and the regulation of the air conditioning capacity is adapted correspondingly, so that the situation of too intensive cooling, for example in the case of perpendicular radiation on the vehicle roof, is avoided.